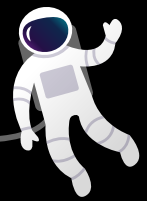
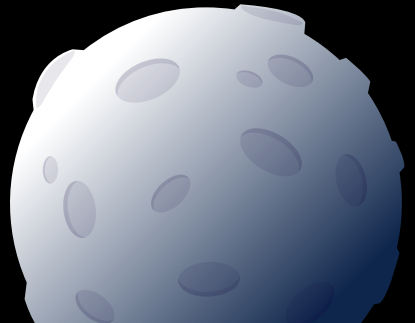
Algoverse

Endterm Presentation

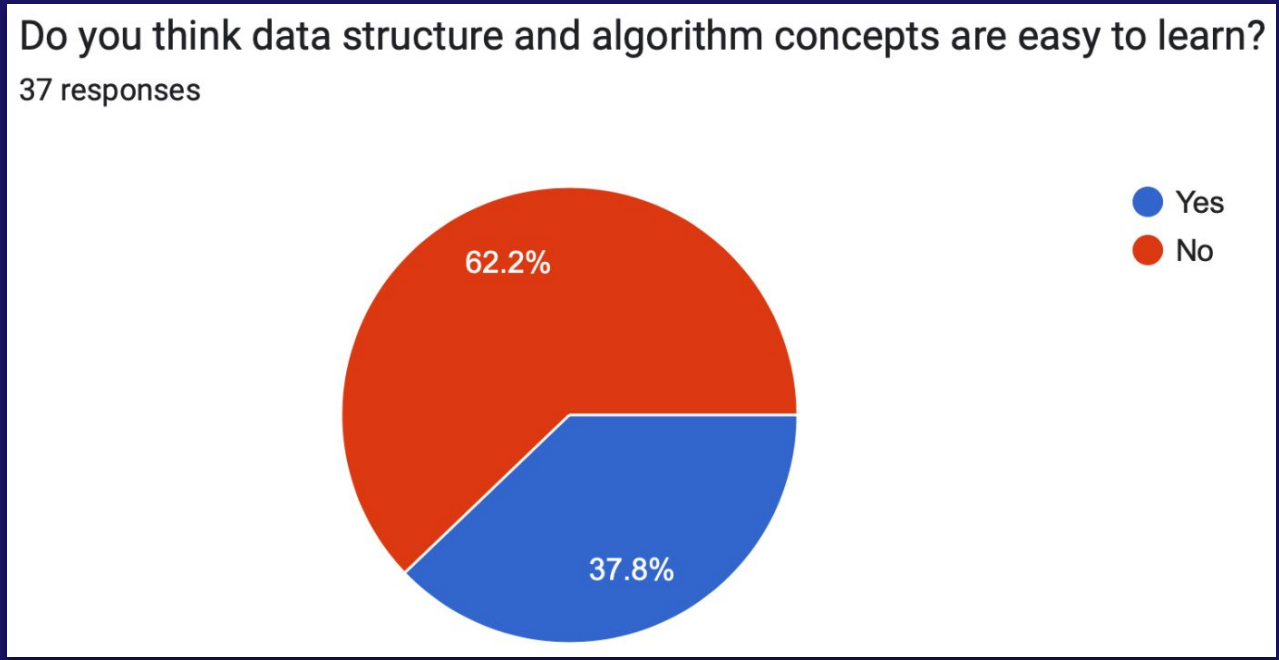




by Logic Legends

Brief Recap

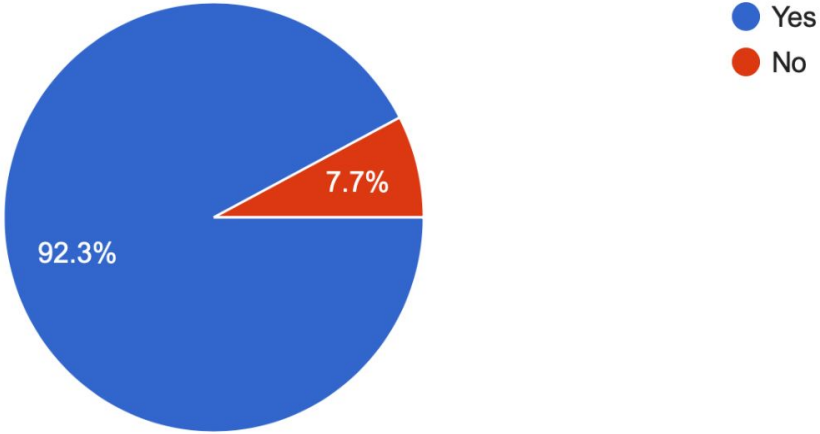
Motivation


Do you think data structure and algorithm concepts are easy to learn?
37 responses
62.2%
37.8%
Yes
No

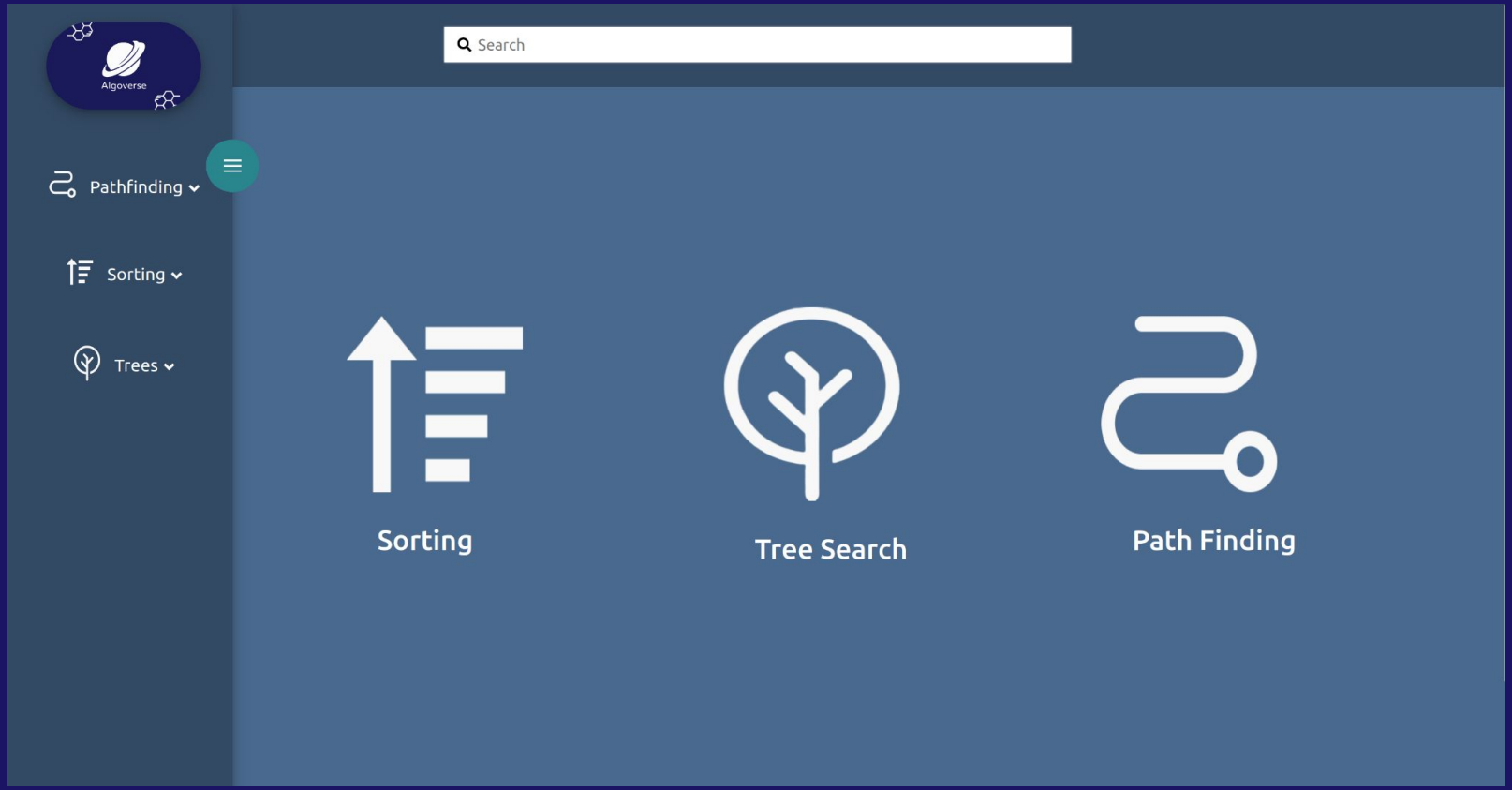
Motivation

Do you think it's important to know concepts about data structures and algorithms for your career path?

39 responses



Project Idea



Tech Stack

Web APP

React JS

API

spring

Mobile APP

Flutter

Role Assignment

Jarod Umland,
Frontend Developer
Pathfinding, Global Components

Matt Ruiz,
Frontend Developer
Sorting Algorithms

Shin Yun Seong,
Frontend Developer
Tree Search

Julius Brehme,
Backend Developer
Tests, Mobile Developer

Reflection of our Deadlines

Week	4	5	6	7	8	9	10	11	12	13	14	15
Frontend	Design and CI		Finish Designs, Implementation Main Page + Routing		Visualizing Pathfinding		Treesearch + Sorting + remaining global components				Clean up	
Backend	Implementing CI		Algorithm Implementation		Tests		Helping out Frontend		Mobile App			

Challenges

- Designing the website
  - General Idea
  - Colorscheme
- Connecting the API with the Frontend
  - Unnecessary complex
  - Slower
- New framework flutter

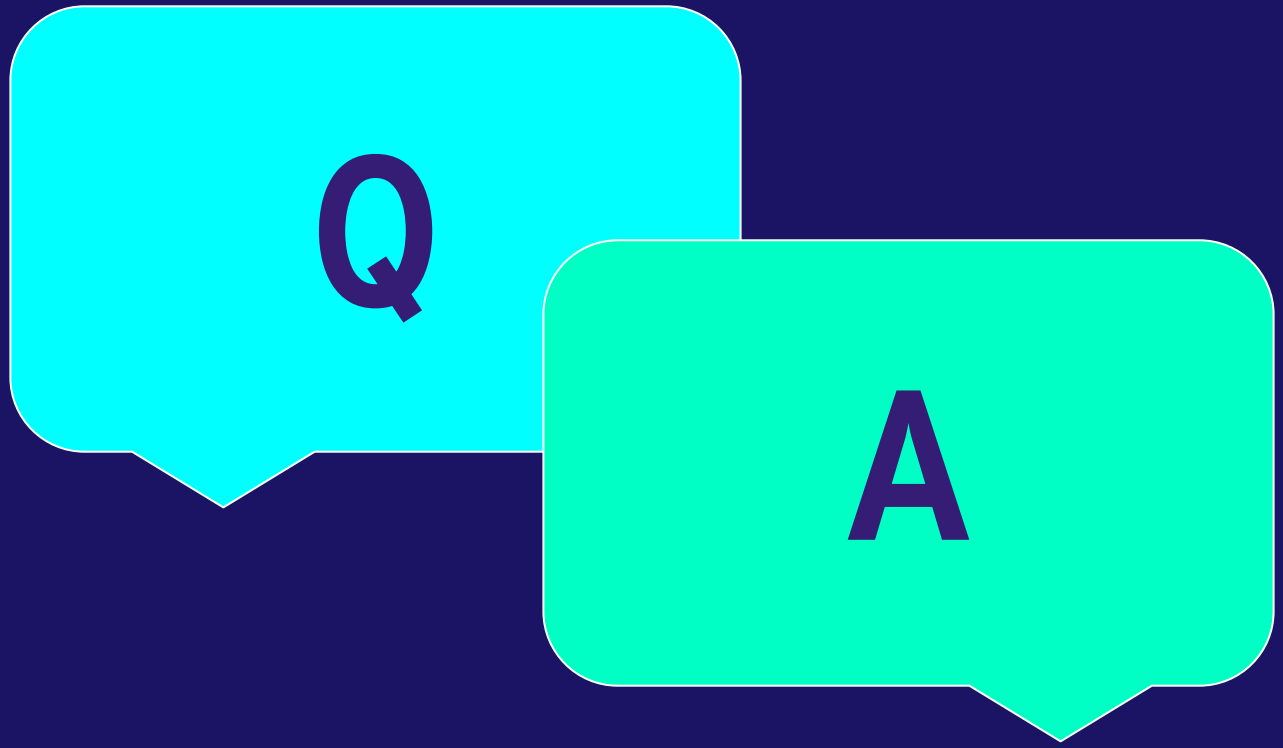
Limitation

Functional	Non-Functional
Quiz	**Time constraint**
Components strictly separated	Design
No shared Database	Initial skill adaption

Performance Evaluation

Metrics	Passing value	Result
Usability	3-5 clicks	Passed (2 clics)
Efficiency	2-10 seconds	Passed (680 ms)
Responsiveness	50-200 ms	Passed (158 ms)

Demo


Q
A